

Memorandum

Date : April 2, 1999
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To : William J. Keese, Chairman
David A Rohy, Vice Chair
Michal C. Moore
Robert A. Laurie

From : California Energy Commission - Kent Smith
1516 Ninth Street Acting Executive Director
Sacramento, CA 95814-5512

Subject : **DATA ADEQUACY RECOMMENDATION FOR THE THREE MOUNTAIN POWER PROJECT - (99-AFC-2)**

The staff has completed its data adequacy review of the AFC submitted on March 3, 1999. I have determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B. Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets which describe staff's findings for each information requirement. On March 23, 1999 we received a letter from R. Michael Kussow, representing the Shasta County Air Quality Management District (District), which identified the AFC as being incomplete. A copy of the District's letter is also attached. On March 31, 1999, we received data adequacy comments from the California Unions for Reliable Energy (CURE). We have incorporated some of the inadequacies identified by CURE in the attached.

At the Energy Commission's business meeting on April 14, 1999, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

If you have any questions, please call Richard K. Buell, staff's Project Manager, at (916) 653-1614.

KENT SMITH
Acting Executive Director

KS:RKB:rkb

Attachments

cc: Rosella Shapiro
Les Toth
Valorie L. Thompson, Ph. D
Martin J. McFadden, Jr.
Lizanne Reynolds

ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
THREE MOUNTAIN POWER PROJECT
99-AFC-2

TECHNICAL AREA	ATTACHMENT B PAGE No.	ADEQUATE?
Air Quality	1	No
Alternatives	6	Yes
Biological Resources	7	No
Cultural Resources	11	No
Efficiency	14	Yes
Facility Design	16	Yes
Geological Hazards	19	No
Hazardous Materials Handling	21	Yes
Land Use	23	No
Noise	26	Yes
Paleontological Resources	29	No
Project Overview	31	No
Demand Conformance	33	Yes
Public Health	34	Yes
Reliability	36	Yes
Socioeconomics	38	No
Soils	42	No
Traffic and Transportation	44	No
Transmission System Eng.	47	No
Visual Resources	50	No
Waste Management	53	Yes
Water Resources	56	No
Worker Safety	59	No
Shasta County Air Quality Management District	61	No

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**Three Mountain Power Project
99-AFC-2**

April 2, 1999

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. _____ Date _____
 Technical Staff: Tuan Ngo
 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 6.8 6.8-1 to 17 pp. 6.8-22 to 78 pp. 6.8-90 to 95	No	Provide information estimate of construction equipment and fugitive dust emissions due to the construction of secondary facilities such as the new water, natural gas pipelines and the transmission line.
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Section 6.8 Pp. 6.8-2, 6.8-20 to 22, Pp. 6.8-93 to 95 App. E, pp. E-49 to 110	No	See the District's March 23, 1999 letter to Martin J. McFadden, Jr.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 6.8 Pp. 6.8-3 to 32 App. E, pp. E-57	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 6.8 Pp. 6.8-20 to 22	No	Need to provide a BACT analysis for the auxiliary boiler.
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Section 6.8 Pp. 6.8-33 to 35	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 6.8 Pp. 6.8-33 to 34 App. E, pp. 41-63	No	Need to provide information estimate of construction equipment and fugitive dust emissions due to the construction of secondary facilities such as the new water, natural gas pipelines and the transmission line.
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 6.8 Pp. 6.8-38 to 78	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Richard Buell

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Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 6.8 Pp. 6.8-12 to 18	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Section 6.8 Pp. 6.8-35 to 36 App. E	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	Yes	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 6.8 Pp. 6.8-35 to 36 App. E	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:		Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Richard Buell

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 Technical Staff: Tuan Ngo
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Project: Three Mountain Power Project
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Section 6.8 Pp. 6.8-22 to 31, 24 to 31 App. E	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 6.8 Pp. 6.8-31 to 78 App. E	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	App. E	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Section 6.8 Pp. 6.8-94 to 95	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. _____ Date _____
 Technical Staff: Tuan Ngo
 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 6.8 Pp. 6.8-94 to 95	No	Please identify those specific sources (ERC holders) that you have contacted, and describe the status of negotiations with them regarding the purchase of their ERCs. This information may be provided as a confidential filing consistent with the Commission's Siting Regulations.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Section 6.8 Pp. 6.8-94 to 95	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Fig. 6.8-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 6.8 Pp. 6.8-95 to 100	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 6.8 Pp. 6.8-100 to 101	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.8 Pp. 6.8-95 to 101	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 6.8 Pp. 6.8-102	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 6.8 Pp. 6.8-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: Alternatives

Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project

Docket: 99-AFC-2

Revision No. 0 Date 3/23/99

Technical Staff: Eileen Allen

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	p.5-1 through 5-10, Section 5	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	p.5-1 through 5-19, Section 5 p.6.3-12, Section 6.3.1.2	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	p.5-1 through 5-19, Section 5	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Biological Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power
 Docket: 99 AFC-2

Revision No. _____ Date 3/22/99
 Technical Staff: Linda Spiegel
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec 6.13, pg 6.13-1 – 6.13-25 Appendix I	No	See specific items listed below
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Sec 6.13.1.4 pg 6.13-3 – 6.13-4. Appendix I, Sec 2.0 pg I-12 – I-14.	No	Please provide a map of the region surrounding the project site that shows significant natural areas, winter deer ranges, known biological resources (e.g. raptor nesting sites, wetlands), and public lands.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Sec 1.1.1.6 pg 1-5 Sec 6.13.1 pg 6.13-1 – 6.13-9 Figure 6.13-1 Figure 2.1 (Appendix I) Table 6.13-1 Appendix I, Sec 3.0 pg I-15, I-38	No	Please show biological resources known to occur or observed on a map of the site and related facilities, including the 88-mile transmission line that will be reconducted. Linear facilities must be clearly identified.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Biological Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

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Revision No. _____ Date 3/22/99
 Technical Staff: Linda Spiegel
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Sec 6.13.1 pg 6.13-1 Appendix I, Summary, pg I-1 Appendix I, Sec 3.1.1.2 pg I-15 – I-16.	No	Please provide results of surveys conducted during appropriate botanical flowering periods, raptor nesting seasons, and peak wildlife activity periods for sensitive wildlife (including game species). Surveys should include all project-related facilities, including the 88-mile transmission line that will be reconducted. Please provide copies of any California and Natural Diversity Data Base (CNDDB) survey forms.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Sec 6.13.2 pg 6.13-9 – 6.13-18 Appendix I Sec 5.0 pg I-39 – I-49 Sec 6.14.1.1 pg 6.14-2 – 6.14-3 Sec 6.14.2.1.4 pg 6.14-12 Table 6.14-3 Table 6.14-5 Sec 6.8.3.3.1 pg 6.8-79 – 6.8-87	No	Please provide a discussion of impacts to sensitive (including game species) biological resources identified from spring/summer and wetland surveys at the project site and along linear facilities and adjacent areas. Please provide a chemical analysis on the actual source water that will be used for the power plant and an analysis of cooling tower drift, including inorganic components, on the vegetation surrounding the power plant site.
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Sec 6.13.3 pg 6.13-18 – 6.13-20	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Sec 6.13.3 pg 6.13-18 – 6.13-20	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Sec 6.13.3.1 pg 6.13-18	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Biological Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power
 Docket: 99 AFC-2

Revision No. _____ Date 3/22/99
 Technical Staff: Linda Spiegel
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.		No	Please provide a discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation.
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Sec 6.13.2.5 pg 6.13-18 Appendix I Figure 2-1 Appendix I Sec 1.2.13 pg 1-10 Appendix I Sec 3.2 pg I-22 – I-23.	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Sec 6.13.1.5.1 Sec 6.13.5.2 pg 6.13-4 – 6.13-9 Appendix I Sec 4.1.1 pg I-35 Sec 4.2 pg I-36 Table 4.1 and 4.2	No	Please identify listed species based on surveys conducted at the appropriate season for the project and related facilities, including the 88-mile transmission line that will be reconducted.
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Table 6.13-1 Sec 6.13.1.5.1 pg 6.13-4 – 6.13-9, Sec 6.13.1.5.2 pg 6.13-9 Appendix I Sec 4.1.2 pg I-35, Sec 4.2.2 pg I-36	No	Please identify resources based on surveys conducted at the appropriate season of the project and related facilities, including the 88-mile transmission line that will be reconducted
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Sec 6.13.1.4 pg 6.13-3 Appendix I Sec 2.4 pg I-12 – I 14	No	Please identify species or habitats based on surveys conducted at the appropriate season of the project and related facilities, including the 88-mile transmission line that will be reconducted
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.13-25 Appendix I, Table 1-1	No	Table must reference pages (or section numbers) in the application wherein conformance with each LORs is discussed.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Biological Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power
 Docket: 99 AFC-2

Revision No. _____ Date 3/22/99
 Technical Staff: Linda Spiegel
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.13-25 Appendix I Table 1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec 6.13.5.4 pg 6.13-24	No	Please provide this information based on surveys conducted at the appropriate season for the project and related facilities, including the 88-mile transmission line that will be reconducted
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	6.13-28	No	Please provide names and titles of an official within each agency, including USFS, who will serve as a contact person.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Please provide this information based on surveys conducted at the appropriate season for the project and related facilities, including the 88-mile transmission line that will be reconducted

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Cultural Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. 1 Date 3/30/99
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC VOL I, p. 6.2-17 AFC VOL I, p. 1-3 & 1-4	NO	Please provide a discussion of indirect and cumulative impacts due to the construction, operation and maintenance of the project. Provide all information required under Appendix B (g) (1) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project. Please provide a discussion of the anticipated effectiveness of any measures proposed to mitigate adverse environmental impacts and the effectiveness of any monitoring plans proposed to verify the effectiveness of the mitigation.
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC VOL I p. 6.2-5 through 6.2-11 AFC VOL I Fig 6.2-2 p. 6.2-8	NO	Provide all information required under Appendix B (g) (2) (A) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project.
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC VOL I P. 6.2-11 through 6.2-14 AFC VOL II p.c-3 AFC VOL I p.6.2-13	NO	Please identify the potential for significant cultural resources along the 88 mile reconductoring route. Identify all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. Include a discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys. (Information on the specific location of known sites should be submitted to the Commission in a separate appendix with a request for confidentiality).

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Cultural Resources**
 Project Manager: **Richard Buell**

DATA ADEQUACY WORKSHEET

Project: **Three Mountain Power Project**
 Docket: **99-AFC-2**

Revision No. **1** Date **3/30/99**
 Technical Staff: **Dorothy Torres**
 Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC VOL I p.6.2-17, AFC VOL II C-3 AFC VOL 1 p.6.2-14 & p.6.2-17 AFC VOL I p.6.2-13	NO	Discuss the sensitivity of any known archeological sites and other cultural resources identified under (g)(2)(A) above along the 88 miles reconductoring route. Please identify the location of any sites within the project area or along the 88 mile reconductoring route. Please provide mile post designations for sites along all linear facility routes. (Information on the specific location of known sites should be submitted to the Commission in a separate appendix with a request for confidentiality).
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	AFC VOL II p. C-9 through C-20	NO	Provide a summary of contacts with Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project as required under Appendix B (g) (2) (D) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project.
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC VOL I p.6.2-20 AFC VOL I p.6.2-19 AFC VOL I p.6.2-13	NO	Provide a discussion of mitigation and monitoring that explains the effectiveness of proposed measures to mitigate adverse environmental impacts within the project area and along the 88 miles reconductoring route. Include a discussion of monitoring to verify the effectiveness of the mitigation.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC VOL I p. 7-9 & 7-10	NO	Please provide information required under Appendix B (h) (1) (A) for the 88 miles of PG&E Transmission line Route proposed for reconductoring. There is potential along the 88 mile route for encountering federal lands or lands under local or regional jurisdiction. If there is no need to reference additional laws, regulations, ordinances, standards, adopted local, regional state, and land use plans, and permits applicable to the proposed project, please make a statement to that effect.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Cultural Resources
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 3/30/99
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC VOL I Table 6.2-1	NO	There is potential along the 88 mile PG&E Transmission Line Route for encountering federal lands or lands under regional or local jurisdiction. Please provide all information required under Appendix B (h)(1)(B) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC VOL I p.6.2-21 & 6.2-22	NO	There is potential along the 88 mile PG&E Transmission Line Route for encountering federal lands or lands under regional or local jurisdiction. Please provide all information required under Appendix B (h) (2) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC VOL I p.6.2-20	NO	Provide all information required under Appendix B (h) (3) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project. Please expand information provided in the AFC to include federal, state, regional or local jurisdictions, as appropriate.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC VOL I p. 6.2-20	NO	Provide all information required under Appendix B (h)(4) for the 88 miles of PG&E Transmission line Route proposed for reconductoring for this project. Please expand information provided in the AFC to include federal, state, regional or local jurisdictions. If no permits are required outside the authority of the commission, please make a statement to that effect.

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Efficiency
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 17, 1999
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§ 1.1, 1.1.1.4, 1.1.1.5, 1.1.2, 2.1, 2.1.1.2.1, 2.1.2.1.1; Figure 2.1-4; § 2.1.2.1.3, 2.1.2.1.4, 2.1.2.3.2, 5.2.2.1.2, 5.2.2.2.2, 5.2.2.2.3, 5.2.2.2.4; Table 7.1-1; § 7.4.2, 8.1.1.2, 8.4; Appendix S	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Figure 2.1-4; Table 2.1-1; Appendix S	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 8.4.2; Appendix S	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§ 8.4.2; Appendix S	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§ 8.4.2; Appendix S	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§ 5.2.2, 8.4.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1; § 7.4.2, 8.4.4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: Efficiency

Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project

Docket: 99-AFC-2

Revision No. 0 Date March 17, 1999

Technical Staff: Steve Baker

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1; § 7.4.2, 8.4.4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§ 1.1, 2.1, 2.1.2.1.1, 2.1.2.1.4, 5.2.2, 8.4.3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Facility Design
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/15/99
 Technical Staff: Kisabuli/Bob Anderson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Page 6.14-5, Section 6.14.1.3	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Pages 6.14-1 thro' 6.14-2, Section 6.14-1; Pages 6.14-5 thro' 6.14-6, Section 6.14-1.3; Figure 6.14-1; and Figure 8.1-1.	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Page 6.14-11, Section 6.14.2.1.3	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Page 5.4-19 Section 5.4.2.2	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Page 6.14-11, Section 6.14.2.1.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7 and Table 7.1-1 Section 8.2.1 and Table 8.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7 and Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 7 and table 7.1-1	Yes	
Appendix B (h) (3)	The name, title, telephone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Facility Design
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/15/99
 Technical Staff: Kisabuli/Bob Anderson
 Technical Senior: Steve Baker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 6.3	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Appendix K	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Appendix K	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Appendices K, M & N	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:			
Appendix B (i) (1) (D) (i)	The power generation system;	Section 2.1.2.1.3, 2.1.2.1.11 and Appendix O	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Section 2.1.2.1.4 and Appendix O	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	Section 2.1.2.1.7	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Section 2.1.2.1.9 and Section 6.8	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 2.1.2.1.8 and Section 6.12	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	-N/A-		

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Facility Design
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/15/99
 Project: Three Mountain Power Project Technical Staff: Kisabuli/Bob Anderson
 Docket: 99-AFC-2 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Section 2.1.2.4, 2.2.2.3	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Section 8, Appendices K, N, M and O	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Geological Hazards**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountains Power Project
 Docket: 99-AFC-2

Revision No. 0 Date 3/24/99
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 6.17-1, Section 6.17.1 through page 6.17-20, Section 6.17.1.2.2 Page 6.17-22 through 6.17-25, Sections 6.17.2.1 through 6.17.4	No	The applicant needs to address whether minor grading or the pioneering of roadways will affect local drainage or increase erosion on a local scale along the reconductoring corridor.
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Page 6.17-1 through 6.17-22, Sections 6.17.1 through 6.17.1.3	No	The applicant needs to describe the geology along the reconductoring corridor.
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Page 6.17-9, Figure 6.17.5 Pages 6.17-4 through 6.17-24, Section 6.17.1.1.1 through 6.17.2.1.	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Page 6.17-20, Section 6.17.1.3; Figure 6.17-7	No	The applicant needs to discuss the geological resources of recreational, commercial, or scientific value that may be affected along the reconductoring corridor.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 6.17-26, Section 6.17.5.3; Pages 7-2 and 7-3 Section 7.3.0 and 7.3.1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Geological Hazards**
 Project Manager: **Richard Buell**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/24/99
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

Project: Three Mountains Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 6.17-27, table 6.17-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 6.17-26, Sections 6.17.5.2 through 6.17.5.4 Appendix M, Pages M-6 through M-10; Sections M.3..1.1 through M.3.3.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 6.17-27, Section 6.17.5.4	Yes	

Adequacy Issue: Adequate ☒ Inadequate _____
 Technical Area: Hazardous Materials Handling
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. _____ Date 3/23/99
 Technical Staff: Rick Tyler
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 6.10	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Section 6.10-3, 6.10-4 and 6.10.3.2 Table 6.10-1 Table 6.10-4	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Section 6.10.2 Figure 6.10-2	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Table 6.10-1 Sections 6.10.2.1, 6.10.2.1, And 6.10. 2. 2. 2	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Sections 6.10. 2. 3, 6.10. 2. 3.1, 6.10. 2. 3. 2, 6.10. 2. 3. 3 and 6.10. 2. 3. 4	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 6.10. 2. 2	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Sections 6.10. 3, 6.10.3.1 And 6.10. 3. 2	Yes	

Adequacy Issue: Adequate ☒ Inadequate _____
 Technical Area: Hazardous Materials Handling
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. _____ Date 3/23/99
 Technical Staff: Rick Tyler
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 6.10. 2. 2.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 6.10. 5.1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 6.10. 5 and 6.10.5.1 Table 6.10-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.10. 5, 6.10. 5.1 Table 6.10-5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 6.10. 5. 4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Land Use
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 1 Date March 23, 1999
 Technical Staff: Gary Walker
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Site conditions: AFC Section 6.3.1, pp.6.3-2 through 6.3-22. Direct impacts: AFC Section 6.3.2, pp.6.3-23 through 6.3-32. Indirect impacts: AFC Section 6.3.2.5, p.6.3-32. Cumulative impacts: AFC Section 6.19, pp.6.19-1 and 6.19-2. AFC Section 6.3.2.5, p.6.3-32. Mitigation Measures: AFC Section 6.3.3, p.6.3-33. Effectiveness of Mitigation Measures: AFC Section 6.3.3, p.6.3-33.	NO	Please provide an assessment of the cumulative land use impact of the proposed project and the proposed 40-acre commercial project described on p.6.19-1 as well as the other major projects that have been constructed, listed on p.6.19-2.
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	AFC Sections 6.3.1.2.2 and 6.3.1.2.3, pp.6.3-16 through 6.3-22.	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	AFC Section 6.3.1.2.1, pp.6.3-14 through 6.3-15.	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	AFC Section 6.3.1, p.6.3-7.	YES	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	None	NO	Please identify all discretionary reviews by Shasta County initiated or completed within 18 months prior to filing the application for the changes or developments identified in subsection (g)(3)(A)(ii).

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date March 23, 1999

Technical Area: Land Use

Project: Three Mountain Power Project

Technical Staff: Gary Walker

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	AFC Figures 6.3-1, 6.3-2, and 6.3-3., pp.6.3-6, 6.3-9, and 6.3-10.	YES	
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	AFC Section 6.3.1.2.3, p.6.3-17; AFC Section 6.3.2, pp.6.3-23 through 6.3-32. AFC Section 6.3-5, pp.6.3-34 through 6.3-36.	YES	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	AFC Section 6.3.1.2, p.6.3-7; Figure 6.3-1; AFC Section 6.15, pp.6.15-6 and 6.15-10.	YES	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	AFC Section 6.15, p.6.15-10.	YES	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	AFC Section 6.15.1.2, p.6.15-6.	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	AFC Section 6.15.2.2, pp.6.15-10 through 6.15-11.	YES	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	AFC Section 6.15.2.2, pp.6.15-10 through 6.15-11.	YES	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date March 23, 1999

Technical Area: Land Use

Project: Three Mountain Power Project

Technical Staff: Gary Walker

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Tables 6.3-7 and 6.3-8, pp. 6.3-36 and 6.3-37.	NO	Please revise one of the tables to specify the subsection in the AFC where conformance is discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Table 6.3-7, p.6.3-36.	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 6.3.5, pp.6.3-34 through 6.3-36.	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Section 6.3.5, p.6.3-38.	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Section 6.3.3, p.6.3-33; AFC Section 6.3.5, Table 6.3-7, p.6.3-36.	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Noise
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 03/19/99
 Technical Staff: Kisabuli
 Technical Senior: Steve Baker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 6.4	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 6.4-1	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L_{eq} (equivalent sound or noise level), L_{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L_{10} , L_{50} , and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	Pages 6.4-11 thro' 6.4-16	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Tables 6.4-8 and 6.4-9	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Noise
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 03/19/99
 Technical Staff: Kisabuli
 Technical Senior: Steve Baker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Table 6.4-8	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Table 6.4-10	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	Pages 6.4-22 and 6.4-25	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 6.4-11 & 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 6.4-33 & Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 7-38 thro' 7-40	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 03/19/99

Technical Area: Noise

Project: Three Mountain Power Project

Technical Staff: Kisabuli

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 6.4-33	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 7.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Paleontological Resources
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. 0 Date 3/24/99
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	The applicant needs to include a discussion whether any sensitive paleontological resources may be encountered in the reconductoring corridor, including the basis for that conclusion. If paleontological resources are expected, the applicant needs to discuss expected impacts, and proposed mitigation measures.
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	The applicant needs to describe the geology along the reconductoring corridor.
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	The applicant needs to include a discussion regarding the sensitivity of paleontological resources that may be encountered along the reconductoring corridor.
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	Identify any literature searches and field surveys used to provide information about paleontological resources along the reconductoring corridor,.
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	If paleontological resources are expected, the applicant needs to provide information on the specific location of known paleontological resources, survey reports, locality records, and a map at a scale of 1:24,000.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Paleontological Resources
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project
 Docket: 99-AFC-2

Revision No. 0 Date 3/24/99
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	If paleontological resources are expected, the applicant needs to include a discussion of a paleontological resources educational program for worker for the project.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6 Section 7.5-16, Table 7.1-1	No	If paleontological resources are expected, Section 7.5.16 should be updated.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6 Section 7.5-16, Table 7.1-1	No	If paleontological resources are expected, Table 7.1-1, and Section 7.5.16 should be updated.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	The applicant needs to include a discussion of conformity with applicable LORS.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	See Appendix B (h) (1) (A) and (B) above.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 6.16-1 and 2; Section 6.16 through 6-16.3 Page 1-5, Section 1.1.1.6	No	See Appendix B (h) (1) (A) and (B) above.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Project Overview**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 3/22/99
 Technical Staff: R. Buell/Ron Wetherall
 Technical Senior: R. Johnson/Ken Goeke

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	By Section	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	By Section	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	By Section		
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principle subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Section 9.o		
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 1.1 and Section 2	No	The description of the alternative natural gas and water supply pipeline routes is inadequate. A written description or map showing the alternative routes proposed is needed. The alternative routes can not be distinguished from one another on AFC Figure 2.1-1.
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Section 1.1, page 1-3	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Section 2.1.1, Figure 2.1-1, Map 6.8-1,	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figures 1.1-1a and 1.1-1b, pages 1-11 1-13	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

Technical Area: **Project Overview**

Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project

Docket: 99-AFC-2

Revision No. _____ Date 3/22/99

Technical Staff: R. Buell/Ron Wetherall

Technical Senior: R. Johnson/Ken Goeke

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix A	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Page 1-22 Section 2.1.2.2, page 2-52 through 2-59	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Section 1, page 1-22 and 1-23	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 1, page 1-23	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Section 1, page 1-22 and 1-23	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Figure 2.1-1, page 2-2	No	Map showing the alternative routes proposed is needed. The alternative routes can not be distinguished from one another on AFC Figure 2.1-1.
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Figures 2.1-2, 2.1-5 through 2.5-7, pages 2-5, 2-15 through 2-20	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 2.1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Project Overview
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 3/22/99
 Technical Staff: R. Buell/Ron Wetherall
 Technical Senior: R. Johnson/Ken Goeke

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Figure 2.1-1, page 2.1-1	No	The map provided does not show the transmission line routes to be reconductored.
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Figures 1.1-2a and 1.1-2b, pages 1-15 1-17	Yes	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	In the AFC section entitled Demand Conformance: Page 3-1.	Yes	Demand Conformance
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.	N/A		
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.	N/A		
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Public Health
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain
 Docket: 98-AFC-2

Revision No. _____ Date March 23, 1999
 Technical Staff: Obed Odoemelam
 Technical Senior: Chris Tooker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	6.9-1, 6.9-2, 6.9-5, 6.9-6	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	6.9-7	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	6.9-2 through 6.9-5	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	6.9-3	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	6.9-4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Public Health
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain
 Docket: 98-AFC-2

Revision No. _____ Date March 23, 1999
 Technical Staff: Obed Odoemelam
 Technical Senior: Chris Tooker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	7-15	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	7-15	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	6.9-6 through 6.9-21	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA		
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA		

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Reliability
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 17, 1999
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§ 1.1.1.2, 1.1.1.3, 1.1.1.4, 1.1.1.5, 1.1.4.13, 2.1, 2.1.1.2.1, 2.1.1.2.5, 2.1.2.1.1, 2.1.2.1.3, 2.1.2.1.4, 2.1.2.1.5, 2.1.2.1.6, 2.1.2.1.7, 2.1.2.1.11, 2.1.2.1.13, 2.1.2.3.2, 2.1.2.5, 4.1, 4.2; Table 7.1-1; § 7.4.1, 8.3.1, 8.3.2, 8.3.3, 8.4.3; Appendix R	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§ 1.1.1.2, 2.1, 2.1.2.1.6, 2.1.2.1.13, 2.1.2.5; Table 7.1-1; § 8.3.1	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§ 8.3.2, 8.4.2	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§ 1.1.1.2, 1.1.1.3, 1.1.4.13, 2.1.1.2.5, 2.1.2.1.1, 2.1.2.1.3, 2.1.2.1.4, 2.1.2.1.6, 2.1.2.1.7, 2.1.2.1.13, 2.1.2.5, 8.3.1, 8.3.2, 8.4.3	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§ 1.1.1.3, 1.1.4.13, 2.1.1.2.5, 2.1.2.1.7, 8.3.2.6, 8.3.2.10	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§ 2.1.1.2.7, 2.1.2.1.5, 2.1.2.1.11, 2.1.2.3.2, 5.2.2.2.3, 7.4.1, 8.3.2, 8.3.2.5, 8.3.2.6, 8.3.2.7, 8.3.2.8, 8.3.2.9, 8.3.3; Appendix R	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Reliability
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 17, 1999
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§ 8.3.2.11	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§ 7.4.1, 8.3.2.5, 8.3.2.6, 8.3.2.7, 8.3.2.8, 8.3.2.9, 8.3.3; Appendix R	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate **X**

Technical Area: **Socioeconomics**

Project Manager: _____

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project

Docket: 99-AFC-2

Revision No. _____ Date 3/10/99

Technical Staff: Amanda Stennick

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 6.7	No	Information provided in response to Appendix B (g) (7) (A) (iv), and Appendix B (g) (7) (A) (vi) will satisfy this regulation.
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	See below	Yes	
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Sections 6.7.1.5; 6.7.2.5 Table 6.7-4	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Section 6.7.1.3 Tables 6.7-2, -3	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Section 6.7.1.2	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Section 6.7.2.1	No	Please provide information on the availability of skilled workers by craft required for construction of the project. This information can be obtained from California Employment Development, Labor Market Information Occupational Employment Projections for Shasta County. Also provide a job description/classification for the 18 technicians expected to be employed for plant operation.
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Section 6.7.1.4	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 3/10/99
 Technical Staff: Amanda Stennick
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Sections 6.7.1.6.1 through .3; 6.11.1.2.6; 6.11.1.3.6	No	Please provide a service ratio to population for the Burney Station of the Shasta County Sheriff's Office, and for the entire county.
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	See below	Yes	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Figure 6.7-1 Table 6.7-5	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Section 6.7.2.2	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Section 6.7.2.3	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Section 6.7.2.4	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Section 6.7.2.6	No	Information provided as response to Appendix B (g) (7) (A) (vi) will satisfy this regulation.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 3/10/99

Technical Area: **Socioeconomics**

Project: Three Mountain Power Project

Technical Staff: Amanda Stennick

Project Manager: _____

Docket: 99-AFC-2

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Not given	No	Based on the square footage of the project, please determine the school impact fees from the Fall River Unified Joint Unified School District, pursuant to Cal Government code sections 53080, 65955-65997
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Section 6.7.2.1	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Section 6.7.2.1	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Section 6.7.2.1; 6.7.2.5	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	No	Please include information on California Government Code §§ 53080, 65955-65997 for socioeconomic LORS. The code includes provisions for levies against development projects near schools. The administering agency is the Fall River Unified Joint Unified School District.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1 Section 6.7.5	No	Information provided in Appendix B (h) (1) (A) will satisfy this regulation.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not Given	No	Information provided in Appendix B (h) (1) (A) will satisfy this regulation.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Given	No	Please provide the phone numbers for all individuals listed in Section 6.7.6 of the AFC.
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 7.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____

Date 3/26/99

Technical Area: Soils
Project Manager: Rick Buell

Project: Three Mountain Power Project
Docket: 99-AFC-2

Technical Staff: L. Gervais / Joe O'Hagan
Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 1-21 and 2-3; 6.15-1 – 6.15-11; 6.15-7, 6.15-11 and Figure 8.1-1-	No	Need to identify the soil types and characteristics, potential impacts and mitigation measures for the transmission line reconductoring.
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 6.15-1P. 6.15-3	No	Identify soil types affected by the transmission line reconductoring.
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 6.15-1 on p. 6.15-4.	No	Identify soil characteristics of soils affected by transmission line reconductoring.
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Page 6.14-2.	No	Provide soil characteristics of soils affected by transmission line reconductoring.
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	For agricultural land use data adequacy, see Land Use		
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Page 6.15-7	No	Provide erosion hazard ratings for soils affected by the transmission line reconductoring.
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Page 6.15-9	No	Statement that there will be no impacts on soil resources due to deposition of air pollutants must be substantiated. Provide a cooling tower drift analysis that addresses the deposition of metals on soil and vegetation.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____

Date 3/26/99

Technical Area: Soils

Project: Three Mountain Power Project

Technical Staff: L. Gervais / Joe O'Hagan

Project Manager: Rick Buell

Docket: 99-AFC-2

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 6.15-2, 7.1-1 and pages 6.15-12 – 6.15-14.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 6.15-2 and 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 6.15-12 to 6.15-14.		Provide a discussion of how project conforms.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	P. 6.15-16.		Add Shasta Co. Dept. of Public Works, Buildings Dept. contact for grading.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	P. 6.15-14 – no permits required.	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Traffic and Transportation**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 22, 1999
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 6.5-1 – 6.5.6; Pages 6.5-1 – 6.5-18 Section 6.19; Pages 6.19-1 – 6.19-2	No	Section 6.19, Cumulative Impacts, identifies a 40-acre commercial project proposed at the junction of State Route 299 and State Route 89, but does not present a discussion of any anticipated cumulative impacts when this project is considered together with the Three Mountain Power Project. Please provide a discussion of any anticipated cumulative traffic impacts that may be caused by the two projects when considered together.
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figure 6.5-1 Section 6.5.1.1; Pages 6.5-5 – 6.5-7	No	The Shasta County General Plan was updated in 1998. Thus, the Circulation Element policies cited in the AFC are outdated. Please provide the current General plan Circulation Element Policies applicable to the project.
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Figure 6.5-2 Section 6.5.1; Pages 6.5-1 – 6.5-9	No	Staff can only find 4 of the 6 airports identified by the applicant on the map provided (Figure 6.5-1). Please clearly identify the location of all airports listed in Section 6.5.1.1. Also, the AFC cites local and regional transportation plans, but does not describe (or identify on a map) any planned transportation facilities in the project area. If there are none, please provide a statement to that effect. The AFC states that vehicles will predominantly travel to the power plant site from the west via Interstate 5 (Page 6.5-1). The AFC also makes assumptions about the distribution of project-related traffic. Table 6.5-3 assumes that 10% of trucks and 20% of autos will originate from east of the site (via State Route 89). The AFC does not provide the information required by Appendix B (g) (5) (B) subsections (i) – (vi) for Interstate 5 or State Route 89. For Interstate 5 through Redding, and for State Route 89 at the junction with SR 299, please provide the following information:
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Table 6.5-2; Page 6.5-10	No	See explanation in Appendix B (g) (5) (B). In addition, please provide the design capacity for State Route 299.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Traffic and Transportation**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 22, 1999
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Section 6.5.1.2; Page 6.5-7; Table 6.5-2; Page 6.5-10	No	See explanation in Appendix B (g) (5) (B).
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Section 6.5.1.4; Page 6.5-9; Table 6.5-2; Page 6.5-10 Sections 6.5.2.4 – 6.5.2.5; Pages 6.5-11 – 6.5-14; Table 6.5-5	No	See explanation in Appendix B (g) (5) (B).
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Section 6.5.1; Page 6.5-1	No	See explanation in Appendix B (g) (5) (B).
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Table 6.5-2; Page 6.5-10	No	See explanation in Appendix B (g) (5) (B).
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Section 6.5.1; Page 6.5-1	No	See explanation in Appendix B (g) (5) (B). If none, provide an explanation of why there are none.
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Section 6.5.1; Page 6.5-1 Figure 6.5-2	Yes	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Sections 6.5.2.2 – 6.5.2.6; Pages 6.5-9 – 6.5-15; Tables 6.5-4 and 6.5-5 Section 6.5.3.1; Page 6.5-16	No	The AFC does not discuss traffic impacts to either Interstate 5 through Redding or State Route 89 at the junction with SR 299, but only impacts to State Route 299. Please provide an assessment of the estimated changes to daily average and peak traffic counts and levels of service for those segments of Interstate 5 and State Route 89 affected by construction and operation of the project. In addition, except for reconductoring of the PG&E transmission lines (Pg. 6.5-16), the AFC does not discuss the traffic-related impacts associated with construction and operation of the project linear facilities. Please provide an assessment of the construction and operation impacts of the project's transmission line, natural gas pipeline and waterlines on the transportation facilities identified.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Traffic and Transportation**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date March 22, 1999
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 6.5.3; Pages 6.5-15 – 6.5-17 Sections 6.10.2.1 – 6.10.2.2; Pages 6.10-1 – 6.10-7	No	Table 6.10-1 identifies the hazardous materials anticipated for usage and storage during operation of the power plant. Except for aqueous ammonia, Section 6.5.3.2 discusses in very general terms the transportation of hazardous materials. For the transportation of hydrochloric acid and hydrogen, please provide the information required by Appendix B (g) (5) (E) of the siting regulations.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.1; Table 7.1-1; Page 7-12 Section 6.5.7.1; Pages 6.5-18 – 6.5-21; Tables 6.5-7 and 6.5-8	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.5-8; Page 6.5-21	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.5.7; Page 6.5-18	No	The AFC cited General Plan Circulation Element policies that are outdated. Please provide a discussion of the project's conformity with applicable Circulation Element policies in the current general plan.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 6.5.7; Page 6.5-20	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 6.5.7; Table 6.5-7; Page 6.5-20	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Transmission System Eng.
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date March 30, 1999
 Technical Staff: Ean O'Neill
 Technical Senior: Al McCuen

Project: Three Mountain Power
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 2.2, pages 2-64 through 2-69	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	2-65, 2-66, 2-67, 2-68	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 1.1.1.6, page 1-5 Section 1.3, page 1-23 Section 2.2.1, pages 2-64 through 2-66 Section 6.6.2.2.2, page 6.6-40 Section 2.2.4.2, pages 2-66 through 2-72 Appendix B, pages B-1 through B-14	No	Please correct the one line diagram on page B-14 of appendix B to correspond to the description of transmission facilities on page 2-64 of AFC section 2. Page 2-69 fails to report that a new Three Mountain Power Project substation (switching station) is required to interconnect the project; please revise this language. Please provide power load flow diagrams which demonstrate conformance or non conformance with utility reliability and planning criteria.
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 2.2.4.2, pages 2-66 through 2-69	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date March 30, 1999

Technical Area: **Transmission System Eng.**

Project: Three Mountain Power

Technical Staff: Ean O'Neill

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 2.1.1, page 2-2 Figure 2.1-1 Appendix B-14	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	2-72, 6.18-1 through 6.18-4, 6.18-4 through 6.18-10, Appendix L.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	6.18-2 through 6.18-4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7, Table 7.1-1, pages 7-5 through 7-8	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7, Table 7.1-1, pages 7-5 through 7-8	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date March 30, 1999

Technical Area: **Transmission System Eng.**

Project: Three Mountain Power

Technical Staff: Ean O'Neill

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Appendix Q, pages Q-1 through Q-9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA	NA	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	6.18-1	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Visual Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date March 24, 1999
 Technical Staff: David Flores
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 6.6-2, Sec. 6.6.1.2 AFC pg. 6.6.6, Sec. 6.6.1.4 AFC pg. 6.6-41 & 42, SEC. 6.6.2.3.1	YES	
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	AFC pg. 6.6-1 & 2, Sec. 6.6.1.1 AFC pg. 6.6-5, Sec. 6.6.1.3 AFC pg. 6.6-21 through 24, Sec.6.6.1.5.1	YES	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	AFC pg.6.6-7 Figure 6.6-3	YES	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	AFC pg. 6.6-5 Sec. 6.6.1.4	NO	Provide elevations of any existing structures on the site.
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	AFC pg. 6.6-2, Sec. 6.6.1.1 AFC pg.6.6-5 & 6, Sec. 6.6.1.4	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	AFC pg. 6.6-41& 42, Sec. 6.6.2.2.3 & 6.6.2.3.2	YES	
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	AFC pg. 6.6-41 through 43, Section 6.6.2.3(1) through (3) AFC pg. 6.6-21 through 25, Section 6.6.1.5.1 & 2	YES	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Visual Resources**
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date March 24, 1999
 Technical Staff: David Flores
 Technical Senior: Dale Edwards

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	AFC pg. 6.6-39 & 40, Sec. 6.6.2.2.1 Table 6.6-1	YES	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	AFC pg. 6.6-7 & 8, Figure 6.6-3 & 4 AFC pg. 6.6-9 through 19, Figure 6.6-5a through 5f AFC pg. 6.6-27 through 37, Figure 6.6-6a through 8b	YES	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	AFC pg. 6.6-43, Sec. 6.6.3	NO	Provide discussion of visual impacts of light and glare from the proposed plant.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pg. 6.6-50, Table 6.6-2	NO	Provide additional information as to applicable permit and zoning requirements (ie. height variance for stacks, Use Permit)
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 6.6-50, Table 6.6-2 AFC pg. 7-1 through 7-28, Section 7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg.6.6-45, 46 ,47, 48 & 49, Section 6.6.6	NO	Provide discussion of the conformity of the project with the stated requirements under section (h)(1)(A).
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 6.6-49, Sec. 6.6.6.3.3	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		NO	Provide schedule & discussion as to when use permit and/or variance will be obtained and the steps the applicant has taken to obtain such permits.

Adequacy Issue: Adequate ☒ Inadequate _____
 Technical Area: Waste Management
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/17/99
 Technical Staff: Ellie Townsend-Smith
 Technical Senior: Chris Tooker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	pg. 1-2, Section 1.1.1 Section 2.1.2 Section 6.12	Yes	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 4.0	Yes	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 2.1.1.2.2 pg. 2-3 Section 2.1.1.2.7 pg. 2-9 Section 6.3 Section 5.12.1, pg. 6.12-1 Section 6.12.2.4, pg. 6-12-10 Section 6.12.3, pg. 6.12-11	Yes	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix H	Yes	
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Table 6.12-1 Section 2.1.2.1.8 Table 2.1-9 Table 2.1-10	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Waste Management
 Project Manager: Richard Buell

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/17/99
 Technical Staff: Ellie Townsend-Smith
 Technical Senior: Chris Tooker

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Section 6.12.2.1.2 Section 6.12.2.3.2	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Section 6.12.2.1 Section 6.12.2.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.12-5 Table 7.1-1, pg. 7-17	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1, pg. 7-17 Table 6.12-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.12.5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/17/99

Technical Area: Waste Management

Project: Three Mountain Power Project

Technical Staff: Ellie Townsend-Smith

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Chris Tooker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	pg. 6.12-18	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Pg. 6.12-12 Section 6.12.3.3	Yes	
Appendix B. (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 6.12.3	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 2.1.2.8 Table 2.1-10	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: **Water Resources**
 Project Manager: Rick Buell

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 3/26/99
 Technical Staff: Joe O'Hagan
 Technical Senior: Jim Brownell

Project: Three Mountain Power Project
 Docket: 99-AFC-2

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 2-8, 2-29; 5-19; 6.7-9 to 6.7-10; 6.12-2 to 6.12-7; 6.12-10 to 6.12-11; 6.14-1 to 6.14-19 and Figure 6.14-1.	No	Provide proposed water supply well(s) location and description. Describe other facilities that Burney Water District must expand to accommodate the project. Describe information on existing groundwater levels and potential groundwater drawdown from pumping to supply the project.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Not applicable		
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Not applicable		
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Pages 6.14-1 to 6.14-19 and Figure 6.14-1.		
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Pages 6.14-2 to 6.14-5	No	Provide a description of the groundwater aquifer that will be used for the project.
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Pages 6.14-1 to 6.14-2	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Facility Design		
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Pages 5-19; 6.14-3 to 6.14-5; 6.14-7 to 6.14-11	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

Technical Area: **Water Resources**

Project Manager: Rick Buell

DATA ADEQUACY WORKSHEET

Project: Three Mountain Power Project

Docket: 99-AFC-2

Revision No. _____ Date 3/26/99

Technical Staff: Joe O'Hagan

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 2.1-6, 2.1-8, 6.12-3, 6.14-3;	No	Water quality analysis is from unspecified well within the project area. Need to identify the location of this well and why it is representative of the proposed water source. If this information is not from the immediate vicinity and aquifer depth of where the proposed well or wells for the project are, then information from wells more representative of the proposed water source need to be provided.
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Figures 2.1-9, 6.14-2; Tables 2.1-3 to 2.1-5, 6.14-4	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Pages 2-8, 2-29, 6.14-8 and 6.15-4	No	Page 2-8 indicates that the Burney Water District will be drilling a new well or new wells for the project. Page 6.7-10 indicates that the district will expand their facilities to provide water to the proposed project. There needs to be a discussion of what the existing facilities are, including capacity and what are the planned facilities. The location of the well or wells needs to be identified on a map at a scale of 1:24,000. A description of the anticipated well depths, screening interval, capacity and construction methods need to be provided. Additional information on the facilities to be use by the Burney Water District for wastewater disposal.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	See Facility Design		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Facility Design		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Facility Design		
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Pages 2-8, 6.7-9 to 6.7-10; 6.14-4 to 6.14-5	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 3/26/99

Technical Area: **Water Resources**

Project: Three Mountain Power Project

Technical Staff: Joe O'Hagan

Project Manager: Rick Buell

Docket: 99-AFC-2

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Pages 6.12-2 to 6.12-7; 6.12-12;	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Facility Design		
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 6.14-7 and 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.14-6, page 6.14-19	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 7.1-1	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 6.14-19	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 6.14-6	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/17/99

Technical Area: **Worker Safety**

Project: Three Mountain Power LLC

Technical Staff: Ellie Townsend-Smith

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Chris Tooker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 1.1.1.1 pg. 1-3 Section 6.11.2 pg. 6.11-18	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	pp. 6.11.1.2.4, 6.11.1.3.4 pg. 6.11-7 pg. 6.11-13	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	pg. 6.11-14, Section 6.11.1.3.5 pg. 6.11-16, Section 6.11.1.3.6 pg. 6.11-7, Section 6.11.1.2.5	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:			
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);	6.11.1.3.1, pg. 6.11-10	Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);	None	No	Please provide an outline of the construction Fire Protection and Prevention Plan,
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	6.11.1.3.3, pg. 6.11-12	Yes	
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);	None	No	Please provide an outline of the operation IIPP.
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);	None	No	Please provide an outline of the operation Fire Prevention Plan (Refer to Elk Hills AFC Section 5.14.1.2)
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);	6.11.1.4, pg. 6.11-18, Attachment 4	Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	6.11.1.3.3,pg. 6.11-12	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 3/17/99

Technical Area: **Worker Safety**

Project: Three Mountain Power LLC

Technical Staff: Ellie Townsend-Smith

Project Manager: Richard Buell

Docket: 99-AFC-2

Technical Senior: Chris Tooker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.11-3 Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.11.1.2.3, pg. 6.11-5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 6.11.3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Please provide a schedule for obtaining permits required, and the actions the applicant plans to take to acquire the permits outside of the authority of the Commission. (Refer to Elk Hills Power Project AFC Section 5.14.7, pg. 5.14-9)

SHASTA COUNTY AIR QUALITY MANAGEMENT DISTRICT

March 23, 1999

Letter to Martin J. McFadden

Regarding Determination of Compliance Review
Three Mountain Power Project – Burney, CA
500 MW Combined Cycle Natural Gas-Fired Power Plant